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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **VAN ENDERT, Tony, P.** [BE/BE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agents: **UITTENBOGAARD, Frank** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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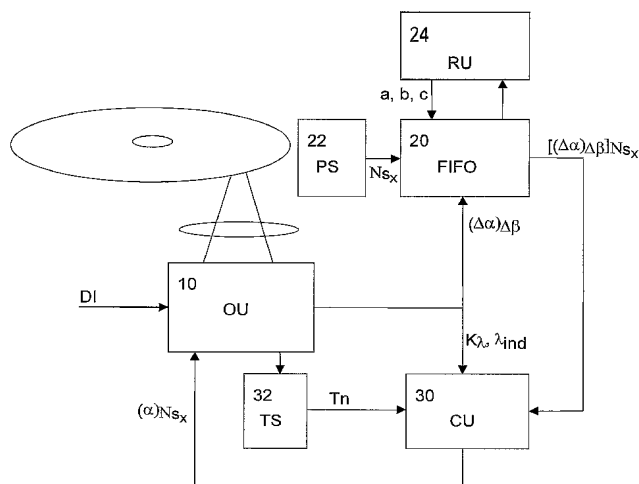
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(54) Title: RECORDING APPARATUS HAVING A MEDIA- AND TEMPERATURE-DEPENDENT POWER CONTROL SCHEME



(57) Abstract: The present invention relates to a recording apparatus, a record carrier, and a method of controlling a radiation power used for recording data on a record carrier, wherein a write power control is performed on the basis of temperature and disc-dependent parameters to solve write performance problems, especially on dye media. To achieve this, a first control parameter indicating a variation of the radiation power due to a non-homogeneity of the record carrier is predicted as a function of a recording position, and a second control parameter indicating a temperature dependency of the radiation power is predicted based on a measured temperature. Thereby, accuracy of writing power control can be improved, especially in case of a jump between arbitrary recording positions.

WO 2005/084117 A2



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